

Agricultural Waste Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Johnson County, Iowa

| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Application of sewage sludge | | Disposal of wastewater by irrigation | |
|-----------------------------|---------------------------|---|------------------------------|---|----------------------|--|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 7: Wiota----- | 100 | Not limited | | Not limited | | Not limited | |
| 11B: Colo----- | 50 | Very limited Depth to saturated zone Leaching limitation Flooding | 1.00 0.70 0.60 | Very limited Depth to saturated zone Flooding | 1.00 1.00 | Very limited Depth to saturated zone Flooding Too steep for surface application | 1.00 0.60 0.08 |
| Ely----- | 30 | Somewhat limited Depth to saturated zone | 0.43 | Somewhat limited Depth to saturated zone | 0.43 | Somewhat limited Depth to saturated zone Too steep for surface application | 0.43 0.08 |
| 41: Sparta----- | 100 | Very limited Filtering capacity Leaching limitation Droughty Too acid | 1.00 0.45 0.29 0.02 | Very limited Filtering capacity Droughty Too acid | 1.00 0.29 0.07 | Very limited Filtering capacity Droughty Too acid | 1.00 0.29 0.07 |
| 41B: Sparta----- | 100 | Very limited Filtering capacity Leaching limitation Droughty Too acid | 1.00 0.45 0.29 0.02 | Very limited Filtering capacity Droughty Too acid | 1.00 0.29 0.07 | Very limited Filtering capacity Droughty Too steep for surface application Too acid | 1.00 0.29 0.08 0.07 |
| 41C: Sparta----- | 100 | Very limited Filtering capacity Leaching limitation Droughty | 1.00 0.45 0.29 | Very limited Filtering capacity Droughty Too acid | 1.00 0.29 0.07 | Very limited Filtering capacity Too steep for surface application Droughty | 1.00 0.91 0.29 |

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|-----------------------------|---------------------------|--|--------------|--|-------|---|--------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 41D: Sparta----- | 100 | Too acid | 0.02 | | | Too acid | 0.07 |
| | | | | | | Too steep for sprinkler application | 0.02 |
| | | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 | Very limited Too steep for surface application | 1.00 |
| | | Slope | 0.96 | Slope | 0.96 | Filtering capacity | 1.00 |
| | | Leaching limitation | 0.45 | Droughty | 0.29 | Too steep for sprinkler application | 0.97 |
| 43: Bremer----- | 95 | Droughty Too acid | 0.29 0.02 | Too acid | 0.07 | Droughty Too acid | 0.29 0.07 |
| | | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| | | Restricted permeability | 0.30 | Restricted permeability | 0.22 | Restricted permeability | 0.22 |
| 54: Zook----- | 100 | Very limited Restricted permeability | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| | | Depth to saturated zone | 1.00 | Flooding | 1.00 | Restricted permeability | 1.00 |
| | | Flooding | 0.60 | Restricted permeability | 1.00 | Flooding | 0.60 |
| | | Leaching limitation | 0.50 | | | | |
| | | | | | | | |
| 63B: Chelsea----- | 100 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 |
| | | Droughty | 0.46 | Droughty | 0.46 | Droughty | 0.46 |
| | | Leaching limitation | 0.45 | | | Too steep for surface application | 0.08 |
| | | | | | | | |
| 63C: Chelsea----- | 100 | Very limited | | Very limited | | Very limited | |

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|-----------------------------|---------------------------|--|-------|---------------------------------------|-------|--|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 63E: Chelsea----- | 95 | Filtering capacity | 1.00 | Filtering capacity | 1.00 | Filtering capacity | 1.00 |
| | | Droughty | 0.46 | Droughty | 0.46 | Too steep for surface application | 0.91 |
| | | Leaching limitation | 0.45 | | | Droughty | 0.46 |
| | | | | | | Too steep for sprinkler application | 0.02 |
| | | Very limited | | Very limited | | Very limited | |
| | | Filtering capacity | 1.00 | Filtering capacity | 1.00 | Too steep for surface application | 1.00 |
| | | Slope | 0.96 | Slope | 0.96 | Filtering capacity | 1.00 |
| | | Droughty | 0.46 | Droughty | 0.46 | Too steep for sprinkler application | 0.97 |
| | | Leaching limitation | 0.45 | | | Droughty | 0.46 |
| | | | | | | | |
| 65D2: Lindley----- | 95 | Somewhat limited Slope | 0.63 | Somewhat limited Slope | 0.63 | Very limited | |
| | | | | | | Too steep for surface application | 1.00 |
| | | Restricted permeability | 0.30 | Too acid | 0.31 | Too steep for sprinkler application | 0.77 |
| | | Too acid | 0.08 | Restricted permeability | 0.22 | Too acid | 0.31 |
| | | | | | | Restricted permeability | 0.22 |
| 65E2: Lindley----- | 95 | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Very limited | |
| | | | | | | Too steep for surface application | 1.00 |
| | | Restricted permeability | 0.30 | Too acid | 0.31 | Too steep for sprinkler application | 1.00 |
| | | Too acid | 0.08 | Restricted permeability | 0.22 | Too acid | 0.31 |

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| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Application of sewage sludge | | Disposal of wastewater by irrigation | |
|-----------------------------|---------------------------|--|-------|--|-------|---|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 65F: Lindley----- | 95 | | | | | Restricted permeability | 0.22 |
| | | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Very limited Too steep for surface application | 1.00 |
| | | Restricted permeability | 0.30 | Too acid | 0.31 | Too steep for sprinkler application | 1.00 |
| | | Too acid | 0.08 | Restricted permeability | 0.22 | Too acid | 0.31 |
| | | | | | | Restricted permeability | 0.22 |
| 65F2: Lindley----- | 95 | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Very limited Too steep for surface application | 1.00 |
| | | Restricted permeability | 0.30 | Too acid | 0.31 | Too steep for sprinkler application | 1.00 |
| | | Too acid | 0.08 | Restricted permeability | 0.22 | Too acid | 0.31 |
| | | | | | | Restricted permeability | 0.22 |
| | | | | | | | |
| 75: Givin----- | 95 | Somewhat limited Depth to saturated zone | 0.43 | Somewhat limited Depth to saturated zone | 0.43 | Somewhat limited Depth to saturated zone | 0.43 |
| | | Restricted permeability | 0.30 | Restricted permeability | 0.22 | Restricted permeability | 0.22 |
| | | | | | | | |
| 76B: Ladoga----- | 100 | Somewhat limited Restricted permeability | 0.30 | Somewhat limited Restricted permeability | 0.22 | Somewhat limited Restricted permeability | 0.22 |
| | | | | | | Too steep for surface application | 0.08 |
| | | | | | | | |
| 76C2: Ladoga----- | 100 | Somewhat limited | | Somewhat limited | | Somewhat limited | |

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| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Application of sewage sludge | | Disposal of wastewater by irrigation | |
|-----------------------------|---------------------------|--|-------|--|-------|---|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 76D2: Ladoga----- | 100 | Restricted permeability | 0.30 | Restricted permeability | 0.22 | Too steep for surface application | 0.91 |
| | | | | | | Restricted permeability | 0.22 |
| | | | | | | Too steep for sprinkler application | 0.02 |
| | | Somewhat limited Slope | 0.63 | Somewhat limited Slope | 0.63 | Very limited | |
| | | | | | | Too steep for surface application | 1.00 |
| 80B: Clinton----- | 100 | Restricted permeability | 0.30 | Restricted permeability | 0.22 | Too steep for sprinkler application | 0.77 |
| | | | | | | Restricted permeability | 0.22 |
| | | Somewhat limited Restricted permeability | 0.30 | Somewhat limited Restricted permeability | 0.22 | Somewhat limited Restricted permeability | 0.22 |
| | | | | | | Too steep for surface application | 0.08 |
| | | | | | | | |
| 80C: Clinton----- | 100 | Somewhat limited Restricted permeability | 0.30 | Somewhat limited Restricted permeability | 0.22 | Somewhat limited Too steep for surface application | 0.91 |
| | | | | | | Restricted permeability | 0.22 |
| | | | | | | Too steep for sprinkler application | 0.02 |
| | | | | | | | |
| | | | | | | | |
| 80C2: Clinton----- | 100 | Somewhat limited Restricted permeability | 0.30 | Somewhat limited Restricted permeability | 0.22 | Somewhat limited Too steep for surface application | 0.91 |
| | | | | | | Restricted permeability | 0.22 |
| | | | | | | | |

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|-----------------------------|---------------------------|--|-------|---------------------------------------|-------|--|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 80D: Clinton----- | 100 | Somewhat limited Slope | 0.63 | Somewhat limited Slope | 0.63 | Too steep for sprinkler application | 0.02 |
| | | | | | | Very limited | |
| | | Restricted permeability | 0.30 | Restricted permeability | 0.22 | Too steep for surface application | 1.00 |
| | | | | | | Too steep for sprinkler application | 0.77 |
| 80D2: Clinton----- | 100 | Somewhat limited Slope | 0.63 | Somewhat limited Slope | 0.63 | Restricted permeability | 0.22 |
| | | | | | | | |
| | | Restricted permeability | 0.30 | Restricted permeability | 0.22 | Very limited | |
| | | | | | | Too steep for surface application | 1.00 |
| 80D3: Clinton----- | 100 | Somewhat limited Slope | 0.63 | Somewhat limited Slope | 0.63 | Too steep for sprinkler application | 0.77 |
| | | | | | | Restricted permeability | 0.22 |
| | | Restricted permeability | 0.30 | Restricted permeability | 0.22 | Too steep for surface application | 1.00 |
| | | | | | | Too steep for sprinkler application | 0.77 |
| 83B: Kenyon----- | 100 | Somewhat limited Too acid | 0.02 | Somewhat limited Too acid | 0.07 | Restricted permeability | 0.22 |
| | | | | | | | |
| | | Somewhat limited | | Somewhat limited | | Somewhat limited | |
| | | | | | | Too steep for surface application | 0.08 |
| 83C2: Kenyon----- | 100 | Somewhat limited | | Somewhat limited | | Too acid | 0.07 |
| | | | | | | | |

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| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Application of sewage sludge | | Disposal of wastewater by irrigation | |
|-----------------------------|---------------------------|--|-------|--|-------|---|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| | | Too acid | 0.02 | Too acid | 0.07 | Too steep for surface application | 0.91 |
| | | | | | | Too acid | 0.07 |
| | | | | | | Too steep for sprinkler application | 0.02 |
| 88: Nevin----- | 95 | Somewhat limited Depth to saturated zone | 0.43 | Somewhat limited Depth to saturated zone | 0.43 | Somewhat limited Depth to saturated zone | 0.43 |
| 110B: Lamont----- | 100 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 |
| | | Too acid | 0.02 | Too acid | 0.07 | Too steep for surface application | 0.08 |
| | | | | | | Too acid | 0.07 |
| 110C: Lamont----- | 100 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 |
| | | Too acid | 0.02 | Too acid | 0.07 | Too steep for surface application | 0.91 |
| | | | | | | Too acid | 0.07 |
| | | | | | | Too steep for sprinkler application | 0.02 |
| 110E: Lamont----- | 100 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 | Very limited Too steep for surface application | 1.00 |
| | | Slope | 0.96 | Slope | 0.96 | Filtering capacity | 1.00 |
| | | Too acid | 0.02 | Too acid | 0.07 | Too steep for sprinkler application | 0.97 |
| | | | | | | Too acid | 0.07 |
| 118: Garwin----- | 100 | Very limited | | Very limited | | Very limited | |

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|-----------------------------|---------------------------|--|-------|--|-------|---|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 119: Muscatine----- | 95 | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 |
| | | Leaching limitation | 0.70 | | | | |
| | | Somewhat limited Depth to saturated zone | 0.43 | Somewhat limited Depth to saturated zone | 0.43 | Somewhat limited Depth to saturated zone | 0.43 |
| | | Too acid | 0.02 | Too acid | 0.07 | Too acid | 0.07 |
| 119B: Muscatine----- | 95 | Somewhat limited Depth to saturated zone | 0.43 | Somewhat limited Depth to saturated zone | 0.43 | Somewhat limited Depth to saturated zone | 0.43 |
| | | Too acid | 0.02 | Too acid | 0.07 | Too steep for surface application | 0.08 |
| | | | | | | Too acid | 0.07 |
| | | | | | | | |
| 120B: Tama----- | 100 | Somewhat limited Too acid | 0.02 | Somewhat limited Too acid | 0.07 | Somewhat limited Too steep for surface application | 0.08 |
| | | | | | | Too acid | 0.07 |
| | | | | | | | |
| | | | | | | | |
| 120C: Tama----- | 100 | Somewhat limited Too acid | 0.02 | Somewhat limited Too acid | 0.07 | Somewhat limited Too steep for surface application | 0.91 |
| | | | | | | Too acid | 0.07 |
| | | | | | | Too steep for sprinkler application | 0.02 |
| | | | | | | | |
| 120C2: Tama----- | 100 | Somewhat limited Too acid | 0.02 | Somewhat limited Too acid | 0.07 | Somewhat limited Too steep for surface application | 0.91 |
| | | | | | | Too acid | 0.07 |
| | | | | | | Too steep for sprinkler application | 0.02 |
| | | | | | | | |

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| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Application of sewage sludge | | Disposal of wastewater by irrigation | |
|-----------------------------|---------------------------|--|-------|--|-------|---|--------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 120D2: Tama----- | 100 | Somewhat limited Slope | 0.63 | Somewhat limited Slope | 0.63 | Very limited Too steep for surface application | 1.00 |
| | | Too acid | 0.02 | Too acid | 0.07 | Too steep for sprinkler application Too acid | 0.77 0.07 |
| 122: Sperry----- | 100 | Very limited Restricted permeability | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| | | Depth to saturated zone | 1.00 | Restricted permeability | 1.00 | Restricted permeability | 1.00 |
| | | Leaching limitation | 0.50 | | | | |
| 133: Colo----- | 100 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| | | Leaching limitation | 0.70 | Flooding | 1.00 | Flooding | 0.60 |
| | | Flooding | 0.60 | | | | |
| 133+: Colo----- | 95 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| | | Flooding | 1.00 | Flooding | 1.00 | Flooding | 1.00 |
| | | Leaching limitation | 0.70 | | | | |
| 135: Coland----- | 95 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| | | Leaching limitation | 0.70 | Flooding | 1.00 | Flooding | 0.60 |
| | | Flooding | 0.60 | | | | |
| 140: Sparta----- | 100 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 |

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|-----------------------------|---------------------------|--|-------|--|-------|--|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 141: Watseka----- | 95 | Leaching limitation | 0.45 | Too acid | 0.07 | Too acid | 0.07 |
| | | Droughty | 0.05 | Droughty | 0.05 | Droughty | 0.05 |
| | | Too acid | 0.02 | | | | |
| | | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 |
| | | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 |
| 152: Marshan----- | 100 | Droughty | 0.08 | Droughty | 0.08 | Droughty | 0.08 |
| | | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| | | Filtering capacity | 1.00 | Filtering capacity | 1.00 | Filtering capacity | 1.00 |
| | | Leaching limitation | 0.70 | | | | |
| | | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| 160: Walford----- | 100 | Leaching limitation | 0.70 | Restricted permeability | 0.22 | Restricted permeability | 0.22 |
| | | Restricted permeability | 0.30 | | | | |
| | | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| | | Leaching limitation | 0.70 | Restricted permeability | 0.22 | Restricted permeability | 0.22 |
| | | Restricted permeability | 0.30 | | | | |
| 161: Walford----- | 60 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| | | Leaching limitation | 0.70 | Restricted permeability | 0.22 | Restricted permeability | 0.22 |
| | | Restricted permeability | 0.30 | | | | |
| | | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| | | Leaching limitation | 0.70 | Restricted permeability | 0.22 | Restricted permeability | 0.22 |
| Atterberry----- | 30 | Restricted permeability | 0.30 | | | | |
| | | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| 162B: Downs----- | 100 | Somewhat limited | | Somewhat limited | | Somewhat limited | |

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|-----------------------------|---------------------------|--|-------|---------------------------------------|-------|--|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 162C: Downs----- | 100 | Too acid | 0.02 | Too acid | 0.07 | Too steep for surface application | 0.08 |
| | | | | | | Too acid | 0.07 |
| | | Somewhat limited | | Somewhat limited | | Somewhat limited | |
| | | Too acid | 0.02 | Too acid | 0.07 | Too steep for surface application | 0.91 |
| 162C2: Downs----- | 100 | | | | | Too acid | 0.07 |
| | | | | | | Too steep for sprinkler application | 0.02 |
| | | Somewhat limited | | Somewhat limited | | | |
| | | Too acid | 0.02 | Too acid | 0.07 | Too steep for surface application | 0.91 |
| 162D2: Downs----- | 100 | | | | | Too acid | 0.07 |
| | | | | | | Too steep for sprinkler application | 0.02 |
| | | Somewhat limited | | Somewhat limited | | | |
| | | Slope | 0.63 | Slope | 0.63 | Too steep for surface application | 1.00 |
| 163B: Fayette----- | 100 | Too acid | 0.02 | Too acid | 0.07 | Too steep for sprinkler application | 0.77 |
| | | | | | | Too acid | 0.07 |
| | | Somewhat limited | | Somewhat limited | | Somewhat limited | |
| | | Too acid | 0.02 | Too acid | 0.07 | Too steep for surface application | 0.08 |
| 163C: Fayette----- | 100 | | | | | Too acid | 0.07 |
| | | | | | | Too steep for surface application | 0.91 |
| | | Somewhat limited | | Somewhat limited | | | |
| | | Too acid | 0.02 | Too acid | 0.07 | Too steep for surface application | 0.07 |

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|-----------------------------|---------------------------|--|------------------|---|------------------|--|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 163C2: Fayette----- | 100 | Somewhat limited Too acid | 0.02 | Somewhat limited Too acid | 0.07 | Too steep for sprinkler application | 0.02 |
| | | | | | | Somewhat limited | |
| | | | | | | Too steep for surface application | 0.91 |
| | | | | | | Too acid | 0.07 |
| 163D: Fayette----- | 100 | Somewhat limited Slope Too acid | 0.63 0.02 | Somewhat limited Slope Too acid | 0.63 0.07 | Too steep for sprinkler application | 0.02 |
| | | | | | | Very limited | |
| | | | | | | Too steep for surface application | 1.00 |
| | | | | | | Too steep for sprinkler application | 0.77 |
| 163D2: Fayette----- | 100 | Somewhat limited Slope Too acid | 0.63 0.02 | Somewhat limited Slope Too acid | 0.63 0.07 | Too acid | 0.07 |
| | | | | | | Very limited | |
| | | | | | | Too steep for surface application | 1.00 |
| | | | | | | Too steep for sprinkler application | 0.77 |
| 163D3: Fayette----- | 100 | Somewhat limited Slope Too acid | 0.63 0.02 | Somewhat limited Slope Too acid | 0.63 0.07 | Too steep for sprinkler application | 0.07 |
| | | | | | | Very limited | |
| | | | | | | Too steep for surface application | 1.00 |
| | | | | | | Too steep for sprinkler application | 0.77 |
| 163E: Fayette----- | 100 | Very limited | | Very limited | | Too acid | 0.07 |
| | | | | | | Very limited | |
| | | | | | | Too steep for sprinkler application | 0.77 |
| | | | | | | Too acid | 0.07 |

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|-----------------------------|---------------------------|--|-------|---------------------------------------|-------|---|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 163E2: Fayette----- | 100 | Slope | 1.00 | Slope | 1.00 | Too steep for surface application | 1.00 |
| | | Too acid | 0.02 | Too acid | 0.07 | Too steep for sprinkler application | 1.00 |
| | | | | | | Too acid | 0.07 |
| | | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Very limited Too steep for surface application | 1.00 |
| | | Too acid | 0.02 | Too acid | 0.07 | Too steep for sprinkler application | 1.00 |
| | | | | | | Too acid | 0.07 |
| 163E3: Fayette----- | 100 | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Very limited Too steep for surface application | 1.00 |
| | | Too acid | 0.02 | Too acid | 0.07 | Too steep for sprinkler application | 1.00 |
| | | | | | | Too acid | 0.07 |
| 163F: Fayette----- | 95 | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Very limited Too steep for surface application | 1.00 |
| | | Too acid | 0.02 | Too acid | 0.07 | Too steep for sprinkler application | 1.00 |
| | | | | | | Too acid | 0.07 |
| 163F2: Fayette----- | 95 | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Very limited Too steep for surface application | 1.00 |
| | | Too acid | 0.02 | Too acid | 0.07 | Too steep for sprinkler application | 1.00 |
| | | | | | | Too acid | 0.07 |

Agricultural Waste Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Johnson County, Iowa

| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Application of sewage sludge | | Disposal of wastewater by irrigation | |
|-----------------------------|---------------------------|--|-------|--|-------|--|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 163G: Fayette----- | 95 | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Very limited Too steep for surface application | 1.00 |
| | | Too acid | 0.02 | Too acid | 0.07 | Too steep for sprinkler application Too acid | 1.00 0.07 |
| 165: Stronghurst----- | 95 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| | | Too acid | 0.02 | Too acid | 0.07 | Too acid | 0.07 |
| 171B: Bassett----- | 100 | Somewhat limited Too acid | 0.11 | Somewhat limited Too acid | 0.42 | Somewhat limited Too acid Too steep for surface application | 0.42 0.08 |
| 171C2: Bassett----- | 95 | Somewhat limited Too acid | 0.11 | Somewhat limited Too acid | 0.42 | Somewhat limited Too steep for surface application Too acid Too steep for sprinkler application | 0.91 0.42 0.02 |
| 171D2: Bassett----- | 100 | Somewhat limited Slope | 0.63 | Somewhat limited Slope | 0.63 | Very limited Too steep for surface application | 1.00 |
| | | Too acid | 0.11 | Too acid | 0.42 | Too steep for sprinkler application Too acid | 0.77 0.42 |
| 171D3: Bassett----- | 100 | Somewhat limited Slope | 0.63 | Somewhat limited Slope | 0.63 | Very limited Too steep for surface application | 1.00 |

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Johnson County, Iowa

| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Application of sewage sludge | | Disposal of wastewater by irrigation | |
|-----------------------------|---------------------------|--|-------|---------------------------------------|-------|--|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 173: Hoopeston----- | 95 | Too acid | 0.11 | Too acid | 0.42 | Too steep for sprinkler application | 0.77 |
| | | | | | | Too acid | 0.42 |
| | | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 |
| | | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 |
| | | Too acid | 0.11 | Too acid | 0.42 | Too acid | 0.42 |
| 174B: Bolan----- | 100 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 |
| | | | | | | Too steep for surface application | 0.08 |
| | | | | | | | |
| 175: Dickinson----- | 100 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 |
| | | Droughty | 0.01 | Droughty | 0.01 | Droughty | 0.01 |
| | | | | | | | |
| 175B: Dickinson----- | 100 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 |
| | | Droughty | 0.01 | Droughty | 0.01 | Too steep for surface application | 0.08 |
| | | | | | | Droughty | 0.01 |
| | | | | | | | |
| | | | | | | | |
| 175C: Dickinson----- | 100 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 |
| | | Droughty | 0.01 | Droughty | 0.01 | Too steep for surface application | 0.91 |
| | | | | | | Too steep for sprinkler application | 0.02 |
| | | | | | | Droughty | 0.01 |
| | | | | | | | |

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Johnson County, Iowa

| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Application of sewage sludge | | Disposal of wastewater by irrigation | |
|-----------------------------|---------------------------|--|-------|--|-------|---|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 178: Waukee----- | 100 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 |
| 179D2: Gara----- | 95 | Somewhat limited Slope | 0.63 | Somewhat limited Slope | 0.63 | Very limited Too steep for surface application | 1.00 |
| | | Restricted permeability | 0.30 | Restricted permeability | 0.22 | Too steep for sprinkler application | 0.77 |
| | | | | | | Restricted permeability | 0.22 |
| 179E2: Gara----- | 95 | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Very limited Too steep for surface application | 1.00 |
| | | Restricted permeability | 0.30 | Restricted permeability | 0.22 | Too steep for sprinkler application | 1.00 |
| | | | | | | Restricted permeability | 0.22 |
| 184: Klinger----- | 95 | Somewhat limited Depth to saturated zone | 0.43 | Somewhat limited Depth to saturated zone | 0.43 | Somewhat limited Depth to saturated zone | 0.43 |
| | | Too acid | 0.02 | Too acid | 0.07 | Too acid | 0.07 |
| 220: Nodaway----- | 92 | Somewhat limited Flooding | 0.60 | Very limited Flooding | 1.00 | Somewhat limited Flooding | 0.60 |
| 226: Lawler----- | 95 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 |
| | | Depth to saturated zone | 0.43 | Depth to saturated zone | 0.43 | Depth to saturated zone | 0.43 |
| 279: Taintor----- | 100 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |

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Johnson County, Iowa

| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Application of sewage sludge | | Disposal of wastewater by irrigation | |
|-----------------------------|---------------------------|--|--------------|---|--------------|--|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 280: Mahaska----- | 95 | Leaching limitation | 0.50 | Restricted permeability | 0.22 | Restricted permeability | 0.22 |
| | | Restricted permeability | 0.30 | | | | |
| | | Somewhat limited Depth to saturated zone | 0.43 | | | | |
| | | Too acid | 0.02 | | | | |
| 281B: Otley----- | 100 | Somewhat limited Too acid | 0.02 | Somewhat limited Too acid | 0.07 | Somewhat limited Too steep for surface application Too acid | 0.08 0.07 |
| | | | | | | | |
| | | | | | | | |
| 281C2: Otley----- | 100 | Somewhat limited Too acid | 0.02 | Somewhat limited Too acid | 0.07 | Somewhat limited Too steep for surface application Too acid Too steep for sprinkler application | 0.91 0.07 0.02 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| 281D2: Otley----- | 100 | Somewhat limited Slope | 0.63 | Somewhat limited Slope | 0.63 | Very limited Too steep for surface application Too steep for sprinkler application Too acid | 1.00 0.77 0.07 |
| | | Too acid | 0.02 | | | | |
| | | | | | | | |
| | | | | | | | |
| 284: Flagler----- | 100 | Very limited Filtering capacity Droughty | 1.00 0.08 | Very limited Filtering capacity Droughty | 1.00 0.08 | Very limited Filtering capacity Droughty | 1.00 0.08 |
| | | | | | | | |
| | | | | | | | |
| 285C: Burkhardt----- | 100 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 |
| | | | | | | | |

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Johnson County, Iowa

| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Application of sewage sludge | | Disposal of wastewater by irrigation | |
|-----------------------------|---------------------------|--|-------|--|-------|--|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| | | Droughty | 0.77 | Droughty | 0.77 | Too steep for surface application | 0.91 |
| | | Too acid | 0.02 | Too acid | 0.07 | Droughty | 0.77 |
| | | | | | | Too acid | 0.07 |
| | | | | | | Too steep for sprinkler application | 0.02 |
| 291: Atterberry----- | 95 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| | | Too acid | 0.02 | Too acid | 0.07 | Too acid | 0.07 |
| 291B: Atterberry----- | 95 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| | | Too acid | 0.02 | Too acid | 0.07 | Too steep for surface application | 0.08 |
| | | | | | | Too acid | 0.07 |
| 293C: Chelsea----- | 45 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 |
| | | Droughty | 0.46 | Droughty | 0.46 | Too steep for surface application | 0.91 |
| | | Leaching limitation | 0.45 | Too acid | 0.07 | Droughty | 0.46 |
| | | Too acid | 0.02 | | | Too acid | 0.07 |
| | | | | | | Too steep for sprinkler application | 0.02 |
| Lamont----- | 35 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 |
| | | Too acid | 0.02 | Too acid | 0.07 | Too steep for surface application | 0.91 |
| | | | | | | Too acid | 0.07 |

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Johnson County, Iowa

| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Application of sewage sludge | | Disposal of wastewater by irrigation | |
|-----------------------------|---------------------------|--|-------|---|-------|--|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| Fayette----- | 20 | Somewhat limited Too acid | 0.02 | Somewhat limited Too acid | 0.07 | Too steep for sprinkler application | 0.02 |
| | | | | | | Somewhat limited | |
| | | | | | | Too steep for surface application | 0.91 |
| | | | | | | Too acid | 0.07 |
| 293C2: Chelsea----- | 45 | Very limited Filtering capacity Droughty | 1.00 | Very limited Filtering capacity Droughty | 1.00 | Too steep for sprinkler application | 0.02 |
| | | | | | | Too steep for surface application | 0.91 |
| | | | | | | Too acid | 0.07 |
| | | | | | | Too steep for sprinkler application | 0.02 |
| Lamont----- | 35 | Very limited Filtering capacity Too acid | 1.00 | Very limited Filtering capacity Too acid | 1.00 | Too steep for surface application | 0.91 |
| | | | | | | Too acid | 0.07 |
| | | | | | | Too steep for sprinkler application | 0.02 |
| | | | | | | Too steep for surface application | 0.91 |
| Fayette----- | 20 | Somewhat limited Too acid | 0.02 | Somewhat limited Too acid | 0.07 | Too steep for surface application | 0.91 |
| | | | | | | Too acid | 0.07 |
| | | | | | | Too steep for sprinkler application | 0.02 |
| | | | | | | Too steep for surface application | 0.91 |

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Johnson County, Iowa

| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Application of sewage sludge | | Disposal of wastewater by irrigation | |
|-----------------------------|---------------------------|--|-------|---------------------------------------|-------|---|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 293D: Chelsea----- | 45 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 | Very limited Too steep for surface application | 1.00 |
| | | Slope | 0.63 | Slope | 0.63 | Filtering capacity | 1.00 |
| | | Droughty | 0.46 | Droughty | 0.46 | Too steep for sprinkler application | 0.77 |
| | | Leaching limitation | 0.45 | Too acid | 0.07 | Droughty | 0.46 |
| | | Too acid | 0.02 | | | Too acid | 0.07 |
| Lamont----- | 35 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 | Very limited Too steep for surface application | 1.00 |
| | | Slope | 0.63 | Slope | 0.63 | Filtering capacity | 1.00 |
| | | Too acid | 0.02 | Too acid | 0.07 | Too steep for sprinkler application | 0.77 |
| | | | | | | Too acid | 0.07 |
| Fayette----- | 20 | Somewhat limited Slope | 0.63 | Somewhat limited Slope | 0.63 | Very limited Too steep for surface application | 1.00 |
| | | Too acid | 0.02 | Too acid | 0.07 | Too steep for sprinkler application | 0.77 |
| | | | | | | Too acid | 0.07 |
| 293D2: Chelsea----- | 45 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 | Very limited Too steep for surface application | 1.00 |
| | | Slope | 0.63 | Slope | 0.63 | Filtering capacity | 1.00 |
| | | Droughty | 0.46 | Droughty | 0.46 | Too steep for sprinkler application | 0.77 |
| | | Leaching limitation | 0.45 | Too acid | 0.07 | Droughty | 0.46 |
| | | Too acid | 0.02 | | | Too acid | 0.07 |

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Johnson County, Iowa

| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Application of sewage sludge | | Disposal of wastewater by irrigation | |
|-----------------------------|---------------------------|--|-------|---------------------------------------|-------|---|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| Lamont----- | 35 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 | Very limited Too steep for surface application | 1.00 |
| | | Slope | 0.63 | Slope | 0.63 | Filtering capacity | 1.00 |
| | | Too acid | 0.02 | Too acid | 0.07 | Too steep for sprinkler application | 0.77 |
| | | | | | | Too acid | 0.07 |
| Fayette----- | 20 | Somewhat limited Slope | 0.63 | Somewhat limited Slope | 0.63 | Very limited Too steep for surface application | 1.00 |
| | | Too acid | 0.02 | Too acid | 0.07 | Too steep for sprinkler application | 0.77 |
| | | | | | | Too acid | 0.07 |
| 293E: Chelsea----- | 40 | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Very limited Too steep for surface application | 1.00 |
| | | Filtering capacity | 1.00 | Filtering capacity | 1.00 | Too steep for sprinkler application | 1.00 |
| | | Droughty | 0.46 | Droughty | 0.46 | Filtering capacity | 1.00 |
| | | Leaching limitation | 0.45 | Too acid | 0.07 | Droughty | 0.46 |
| | | Too acid | 0.02 | | | Too acid | 0.07 |
| Lamont----- | 30 | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Very limited Too steep for surface application | 1.00 |
| | | Filtering capacity | 1.00 | Filtering capacity | 1.00 | Too steep for sprinkler application | 1.00 |
| | | Too acid | 0.02 | Too acid | 0.07 | Filtering capacity | 1.00 |
| | | | | | | Too acid | 0.07 |
| Fayette----- | 20 | Very limited | | Very limited | | Very limited | |

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Johnson County, Iowa

| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Application of sewage sludge | | Disposal of wastewater by irrigation | |
|-----------------------------|---------------------------|--|-------|---------------------------------------|-------|--|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 293E2: Chelsea----- | 40 | Slope | 1.00 | Slope | 1.00 | Too steep for surface application | 1.00 |
| | | Too acid | 0.02 | Too acid | 0.07 | Too steep for sprinkler application | 1.00 |
| | | | | | | Too acid | 0.07 |
| | | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Too steep for surface application | 1.00 |
| | | Filtering capacity | 1.00 | Filtering capacity | 1.00 | Too steep for sprinkler application | 1.00 |
| | | Droughty | 0.46 | Droughty | 0.46 | Filtering capacity | 1.00 |
| | | Leaching limitation | 0.45 | Too acid | 0.07 | Droughty | 0.46 |
| | | Too acid | 0.02 | | | Too acid | 0.07 |
| | | | | | | | |
| | | | | | | | |
| Lamont----- | 30 | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Too steep for surface application | 1.00 |
| | | Filtering capacity | 1.00 | Filtering capacity | 1.00 | Too steep for sprinkler application | 1.00 |
| | | Too acid | 0.02 | Too acid | 0.07 | Filtering capacity | 1.00 |
| | | | | | | Too acid | 0.07 |
| Fayette----- | 20 | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Too steep for surface application | 1.00 |
| | | Too acid | 0.02 | Too acid | 0.07 | Too steep for sprinkler application | 1.00 |
| | | | | | | Too acid | 0.07 |
| | | | | | | | |
| 293F: Chelsea----- | 35 | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Too steep for surface application | 1.00 |
| | | | | | | | |

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Johnson County, Iowa

| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Application of sewage sludge | | Disposal of wastewater by irrigation | |
|-----------------------------|---------------------------|--|-------|---------------------------------------|-------|--|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| Lamont----- | 30 | Filtering capacity | 1.00 | Filtering capacity | 1.00 | Too steep for sprinkler application | 1.00 |
| | | Droughty | 0.46 | Droughty | 0.46 | Filtering capacity | 1.00 |
| | | Leaching limitation | 0.45 | Too acid | 0.07 | Droughty | 0.46 |
| | | Too acid | 0.02 | | | Too acid | 0.07 |
| | | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Too steep for surface application | 1.00 |
| Fayette----- | 20 | Filtering capacity | 1.00 | Filtering capacity | 1.00 | Too steep for sprinkler application | 1.00 |
| | | Too acid | 0.02 | Too acid | 0.07 | Filtering capacity | 1.00 |
| | | | | | | Too acid | 0.07 |
| | | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Too steep for surface application | 1.00 |
| | | Too acid | 0.02 | Too acid | 0.07 | Too steep for sprinkler application | 1.00 |
| 293G: Chelsea----- | 35 | | | | | Too acid | 0.07 |
| | | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Too steep for surface application | 1.00 |
| | | Filtering capacity | 1.00 | Filtering capacity | 1.00 | Too steep for sprinkler application | 1.00 |
| | | Droughty | 0.46 | Droughty | 0.46 | Filtering capacity | 1.00 |
| | | Leaching limitation | 0.45 | Too acid | 0.07 | Droughty | 0.46 |
| Lamont----- | 30 | Too acid | 0.02 | | | Too acid | 0.07 |
| | | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Too steep for surface application | 1.00 |

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Johnson County, Iowa

| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Application of sewage sludge | | Disposal of wastewater by irrigation | |
|-----------------------------|---------------------------|--|-------|---------------------------------------|-------|--|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| Fayette----- | 20 | Filtering capacity | 1.00 | Filtering capacity | 1.00 | Too steep for sprinkler application | 1.00 |
| | | Too acid | 0.02 | Too acid | 0.07 | Filtering capacity | 1.00 |
| | | | | | | Too acid | 0.07 |
| | | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Very limited | |
| | | | | | | Too steep for surface application | 1.00 |
| | | Too acid | 0.02 | Too acid | 0.07 | Too steep for sprinkler application | 1.00 |
| 320: Arenzville----- | 95 | | | | | Too acid | 0.07 |
| | | Very limited Flooding | 1.00 | Very limited Flooding | 1.00 | Very limited Flooding | 1.00 |
| 350B: Waukegan----- | 100 | | | | | | |
| | | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 |
| 352B: Whittier----- | 100 | | | | | Too steep for surface application | 0.01 |
| | | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 |
| | | | | | | Too steep for surface application | 0.08 |
| 352C2: Whittier----- | 100 | | | | | | |
| | | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 |
| | | | | | | Too steep for surface application | 0.91 |
| | | | | | | Too steep for sprinkler application | 0.02 |

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Johnson County, Iowa

| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Application of sewage sludge | | Disposal of wastewater by irrigation | |
|-----------------------------|---------------------------|--|------------------|--|--------------|--|--------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 377B: Dinsdale----- | 100 | Somewhat limited Too acid | 0.02 | Somewhat limited Too acid | 0.07 | Somewhat limited Too steep for surface application Too acid | 0.08 0.07 |
| 377C2: Dinsdale----- | 100 | Somewhat limited Too acid | 0.02 | Somewhat limited Too acid | 0.07 | Somewhat limited Too steep for surface application Too acid Too steep for sprinkler application | 0.91 0.07 0.02 |
| 382: Maxfield----- | 100 | Very limited Depth to saturated zone Leaching limitation | 1.00 0.70 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| 420B: Tama----- | 100 | Somewhat limited Too acid | 0.02 | Somewhat limited Too acid | 0.07 | Somewhat limited Too steep for surface application Too acid | 0.08 0.07 |
| 422: Amana----- | 95 | Somewhat limited Flooding Depth to saturated zone | 0.60 0.43 | Very limited Flooding Depth to saturated zone | 1.00 0.43 | Somewhat limited Flooding Depth to saturated zone | 0.60 0.43 |
| 428B: Ely----- | 95 | Somewhat limited Depth to saturated zone | 0.43 | Somewhat limited Depth to saturated zone | 0.43 | Somewhat limited Depth to saturated zone Too steep for surface application | 0.43 0.08 |
| 430: Ackmore----- | 95 | Very limited Flooding | 1.00 | Very limited Flooding | 1.00 | Very limited Flooding | 1.00 |

Agricultural Waste Management

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Johnson County, Iowa

| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Application of sewage sludge | | Disposal of wastewater by irrigation | |
|-----------------------------|---------------------------|--|--------------|---|--------------|--|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 442B: Tama----- | 50 | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 |
| | | Somewhat limited Too acid | 0.02 | Somewhat limited Too acid | 0.07 | Somewhat limited Too steep for surface application Too acid | 0.08 0.07 |
| | | Very limited Filtering capacity Too acid | 1.00 0.02 | Very limited Filtering capacity Too acid | 1.00 0.07 | Very limited Filtering capacity Too steep for surface application Too acid | 1.00 0.08 0.07 |
| | | Droughty | 0.01 | Droughty | 0.01 | Droughty | 0.01 |
| 442C2: Tama----- | 50 | Somewhat limited Too acid | 0.02 | Somewhat limited Too acid | 0.07 | Somewhat limited Too steep for surface application Too acid Too steep for sprinkler application | 0.91 0.07 0.02 |
| | | Very limited Filtering capacity Too acid | 1.00 0.02 | Very limited Filtering capacity Too acid | 1.00 0.07 | Very limited Filtering capacity Too steep for surface application | 1.00 0.91 |
| | | Droughty | 0.01 | Droughty | 0.01 | Too acid Too steep for sprinkler application Droughty | 0.07 0.02 0.01 |
| | | Very limited Filtering capacity Too acid | 1.00 0.02 | Very limited Filtering capacity Too acid | 1.00 0.07 | Very limited Filtering capacity Too steep for surface application | 1.00 0.91 |
| 442D2: Tama----- | 50 | Somewhat limited Slope | 0.63 | Somewhat limited Slope | 0.63 | Very limited Too steep for surface application | 1.00 |
| | | Very limited Filtering capacity Too acid | 1.00 0.02 | Very limited Filtering capacity Too acid | 1.00 0.07 | Very limited Filtering capacity Too steep for surface application | 1.00 0.91 |
| | | Droughty | 0.01 | Droughty | 0.01 | Too acid Too steep for sprinkler application Droughty | 0.07 0.02 0.01 |
| | | Very limited Filtering capacity Too acid | 1.00 0.02 | Very limited Filtering capacity Too acid | 1.00 0.07 | Very limited Filtering capacity Too steep for surface application | 1.00 0.91 |

Agricultural Waste Management

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Johnson County, Iowa

| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Application of sewage sludge | | Disposal of wastewater by irrigation | |
|-----------------------------|---------------------------|--|-------|---------------------------------------|-------|--|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| Dickinson----- | 30 | Too acid | 0.02 | Too acid | 0.07 | Too steep for sprinkler application | 0.77 |
| | | | | | | Too acid | 0.07 |
| | | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 | Too steep for surface application | 1.00 |
| | | Slope | 0.63 | Slope | 0.63 | Filtering capacity | 1.00 |
| | | Too acid | 0.02 | Too acid | 0.07 | Too steep for sprinkler application | 0.77 |
| | | Droughty | 0.01 | Droughty | 0.01 | Too acid | 0.07 |
| 453: Tuskeego----- | 100 | | | | | Droughty | 0.01 |
| | | Very limited | | Very limited | | Very limited | |
| | | Restricted permeability | 1.00 | Restricted permeability | 1.00 | Restricted permeability | 1.00 |
| | | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 |
| | | Leaching limitation | 0.50 | Too acid | 0.07 | Too acid | 0.07 |
| 484: Lawson----- | 95 | Too acid | 0.02 | | | | |
| | | Very limited | | Very limited | | Very limited | |
| | | Depth to saturated zone | 1.00 | Flooding | 1.00 | Depth to saturated zone | 1.00 |
| 485: Spillville----- | 95 | Flooding | 0.60 | Depth to saturated zone | 1.00 | Flooding | 0.60 |
| | | Somewhat limited Flooding | 0.60 | Very limited Flooding | 1.00 | Somewhat limited Flooding | 0.60 |
| 520: Coppock----- | 95 | | | | | | |
| | | Very limited | | Very limited | | Very limited | |
| 539: Perks----- | 95 | Depth to saturated zone | 1.00 | Flooding | 1.00 | Depth to saturated zone | 1.00 |
| | | Flooding | 0.60 | Depth to saturated zone | 1.00 | Flooding | 0.60 |
| | | | | | | | |
| | | Very limited | | Very limited | | Very limited | |
| | | Droughty | 1.00 | Flooding | 1.00 | Droughty | 1.00 |
| | | | | | | | |

Agricultural Waste Management

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Johnson County, Iowa

| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Application of sewage sludge | | Disposal of wastewater by irrigation | |
|-----------------------------|---------------------------|--|-------|--|-------|---|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 621: Houghton----- | 100 | Filtering capacity | 1.00 | Droughty | 1.00 | Filtering capacity | 1.00 |
| | | Flooding | 0.60 | Filtering capacity | 1.00 | Flooding | 0.60 |
| | | Leaching limitation | 0.45 | Too acid | 0.14 | Too acid | 0.14 |
| | | Too acid | 0.03 | | | | |
| | | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| 687: Watkins----- | 100 | Low adsorption | 1.00 | Low adsorption | 1.00 | Low adsorption | 1.00 |
| | | Leaching limitation | 0.90 | | | | |
| 687B: Watkins----- | 100 | Not limited | | Not limited | | Not limited | |
| 688: Koszta----- | 95 | Not limited | | Not limited | | Somewhat limited Too steep for surface application | 0.08 |
| | | Somewhat limited Depth to saturated zone | 0.86 | Somewhat limited Depth to saturated zone | 0.86 | Somewhat limited Depth to saturated zone | 0.86 |
| | | Too acid | 0.02 | Too acid | 0.07 | Too acid | 0.07 |
| 727: Udolpho----- | 100 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| | | Filtering capacity | 1.00 | Filtering capacity | 1.00 | Filtering capacity | 1.00 |
| | | Leaching limitation | 0.70 | Too acid | 0.42 | Too acid | 0.42 |
| | | Too acid | 0.11 | | | | |
| | | | | | | | |
| 729B: Nodaway----- | 50 | Somewhat limited Flooding | 0.60 | Very limited Flooding | 1.00 | Somewhat limited Flooding | 0.60 |
| | | | | | | | |
| Arenzville----- | 40 | Very limited Flooding | 1.00 | Very limited Flooding | 1.00 | Very limited Flooding | 1.00 |

Agricultural Waste Management

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Johnson County, Iowa

| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Application of sewage sludge | | Disposal of wastewater by irrigation | |
|-----------------------------|---------------------------|--|-------|---------------------------------------|-------|--|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 760: Ansgar----- | 95 | | | | | Too steep for surface application | 0.01 |
| | | Very limited | | Very limited | | Very limited | |
| | | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 |
| | | Leaching limitation | 0.70 | Too acid | 0.07 | Too acid | 0.07 |
| | | Too acid | 0.02 | | | | |
| 761: Franklin----- | 90 | Somewhat limited | | Somewhat limited | | Somewhat limited | |
| | | Depth to saturated zone | 0.43 | Depth to saturated zone | 0.43 | Depth to saturated zone | 0.43 |
| | | Too acid | 0.08 | Too acid | 0.31 | Too acid | 0.31 |
| 771B: Waubeek----- | 95 | Not limited | | Not limited | | Somewhat limited | |
| | | | | | | Too steep for surface application | 0.08 |
| 771C2: Waubeek----- | 100 | Not limited | | Not limited | | Somewhat limited | |
| | | | | | | Too steep for surface application | 0.91 |
| | | | | | | Too steep for sprinkler application | 0.02 |
| 778: Sattre----- | 95 | Very limited | | Very limited | | Very limited | |
| | | Filtering capacity | 1.00 | Filtering capacity | 1.00 | Filtering capacity | 1.00 |
| | | Too acid | 0.01 | Too acid | 0.03 | Too acid | 0.03 |
| | | Droughty | 0.01 | Droughty | 0.01 | Droughty | 0.01 |
| 778B: Sattre----- | 100 | Very limited | | Very limited | | Very limited | |
| | | Filtering capacity | 1.00 | Filtering capacity | 1.00 | Filtering capacity | 1.00 |
| | | Too acid | 0.01 | Too acid | 0.03 | Too steep for surface | 0.08 |
| | | | | | | application | |
| | | Droughty | 0.01 | Droughty | 0.01 | Too acid | 0.03 |

Agricultural Waste Management

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Johnson County, Iowa

| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Application of sewage sludge | | Disposal of wastewater by irrigation | |
|-----------------------------|---------------------------|--|-------|--|-------|---|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 792D2: Armstrong----- | 100 | | | | | Droughty | 0.01 |
| | | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Too steep for surface application | 1.00 |
| | | Slope | 0.63 | Slope | 0.63 | Depth to saturated zone | 1.00 |
| | | Restricted permeability | 0.30 | Restricted permeability | 0.22 | Too steep for sprinkler application | 0.77 |
| | | | | | | Restricted permeability | 0.22 |
| 793: Bertrand----- | 100 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 |
| | | Low adsorption | 0.13 | | | Low adsorption | 0.13 |
| | | | | | | | |
| 826: Rowley----- | 95 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 |
| | | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 |
| | | Too acid | 0.02 | Too acid | 0.07 | Too acid | 0.07 |
| | | | | | | | |
| 876B: Ladoga----- | 100 | Somewhat limited Restricted permeability | 0.30 | Somewhat limited Restricted permeability | 0.22 | Somewhat limited Restricted permeability | 0.22 |
| | | | | | | Too steep for surface application | 0.08 |
| | | | | | | | |
| 920: Tama----- | 100 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 |
| | | Too acid | 0.02 | Too acid | 0.07 | Too acid | 0.07 |
| | | | | | | | |
| 920B: Tama----- | 100 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 | Very limited Filtering capacity | 1.00 |
| | | | | | | | |

Agricultural Waste Management

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Johnson County, Iowa

| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Application of sewage sludge | | Disposal of wastewater by irrigation | |
|-----------------------------|---------------------------|--|--------------|--|-------|---|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 962: Elvira----- | 95 | Too acid | 0.02 | Too acid | 0.07 | Too steep for surface application | 0.08 |
| | | | | | | Too acid | 0.07 |
| | | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| | | Flooding Leaching limitation | 1.00 0.70 | Flooding | 1.00 | Flooding | 1.00 |
| 974B: Bolan----- | 100 | Not limited | | Not limited | | Somewhat limited Too steep for surface application | 0.08 |
| 976: Raddle----- | 100 | Not limited | | Not limited | | Not limited | |
| 993D2: Gara----- | 60 | Somewhat limited Slope | 0.63 | Somewhat limited Slope | 0.63 | Very limited Too steep for surface application | 1.00 |
| | | Restricted permeability | 0.30 | Restricted permeability | 0.22 | Too steep for sprinkler application | 0.77 |
| | | | | | | Restricted permeability | 0.22 |
| | | | | | | | |
| Armstrong----- | 40 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Too steep for surface application | 1.00 |
| | | Slope | 0.63 | Slope | 0.63 | Depth to saturated zone | 1.00 |
| | | Restricted permeability | 0.30 | Restricted permeability | 0.22 | Too steep for sprinkler application | 0.77 |
| | | | | | | Restricted permeability | 0.22 |
| 993E2: Gara----- | 60 | Very limited | | Very limited | | Very limited | |

Agricultural Waste Management

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Johnson County, Iowa

| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Application of sewage sludge | | Disposal of wastewater by irrigation | |
|-----------------------------|---------------------------|--|-------|--|-------|---|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| Armstrong----- | 40 | Slope | 1.00 | Slope | 1.00 | Too steep for surface application | 1.00 |
| | | Restricted permeability | 0.30 | Restricted permeability | 0.22 | Too steep for sprinkler application | 1.00 |
| | | | | | | Restricted permeability | 0.22 |
| | | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Very limited Too steep for surface application | 1.00 |
| | | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 | Too steep for sprinkler application | 1.00 |
| 1119: Muscatine----- | 95 | Restricted permeability | 0.30 | Restricted permeability | 0.22 | Depth to saturated zone | 1.00 |
| | | | | | | Restricted permeability | 0.22 |
| | | Somewhat limited Depth to saturated zone | 0.43 | Somewhat limited Depth to saturated zone | 0.43 | Somewhat limited Depth to saturated zone | 0.43 |
| 1160: Walford----- | 100 | Too acid | 0.02 | Too acid | 0.07 | Too acid | 0.07 |
| | | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| | | Leaching limitation | 0.70 | Restricted permeability | 0.22 | Restricted permeability | 0.22 |
| 1220: Nodaway----- | 92 | Restricted permeability | 0.30 | | | | |
| | | Very limited Flooding | 1.00 | Very limited Flooding | 1.00 | Very limited Flooding | 1.00 |
| 1280: Mahaska----- | 95 | | | | | | |
| | | Somewhat limited Depth to saturated zone | 0.43 | Somewhat limited Depth to saturated zone | 0.43 | Somewhat limited Depth to saturated zone | 0.43 |
| | | Too acid | 0.02 | Too acid | 0.07 | Too acid | 0.07 |
| 1291: Atterberry----- | 95 | Very limited | | Very limited | | Very limited | |

Agricultural Waste Management

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Johnson County, Iowa

| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Application of sewage sludge | | Disposal of wastewater by irrigation | |
|-----------------------------|---------------------------|---|--------------------------------------|---|------------------------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| | | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 |
| 1315: Perks----- | 40 | Very limited Flooding Droughty Filtering capacity Leaching limitation | 1.00 1.00 1.00 1.00 0.45 | Very limited Flooding Droughty Filtering capacity | 1.00 1.00 1.00 1.00 | Very limited Flooding Droughty Filtering capacity | 1.00 1.00 1.00 1.00 |
| Spillville----- | 30 | Very limited Flooding | 1.00 | Very limited Flooding | 1.00 | Very limited Flooding | 1.00 |
| 1316: Fluvaquents----- | 100 | Not rated | | Not rated | | Not rated | |
| 1484: Lawson----- | 92 | Very limited Flooding Depth to saturated zone | 1.00 1.00 | Very limited Flooding Depth to saturated zone | 1.00 1.00 | Very limited Flooding Depth to saturated zone | 1.00 1.00 |
| 1485: Spillville----- | 92 | Very limited Flooding | 1.00 | Very limited Flooding | 1.00 | Very limited Flooding | 1.00 |
| 2422: Amana----- | 30 | Very limited Flooding Depth to saturated zone | 1.00 0.43 | Very limited Flooding Depth to saturated zone | 1.00 0.43 | Very limited Flooding Depth to saturated zone | 1.00 0.43 |
| Lawson----- | 30 | Very limited Flooding Depth to saturated zone | 1.00 1.00 | Very limited Flooding Depth to saturated zone | 1.00 1.00 | Very limited Flooding Depth to saturated zone | 1.00 1.00 |
| Perks----- | 30 | Very limited Droughty Filtering capacity | 1.00 1.00 | Very limited Flooding Droughty | 1.00 1.00 | Very limited Droughty Filtering capacity | 1.00 1.00 |

FIELD OFFICE TECHNICAL GUIDE Sec. II
WASTE DISPOSAL INTERPRETATIONS

Agricultural Waste Management

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Johnson County, Iowa

| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Application of sewage sludge | | Disposal of wastewater by irrigation | |
|------------------------------|---------------------------|--|-------|---------------------------------------|-------|--|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| | | Flooding | 0.60 | Filtering capacity | 1.00 | Flooding | 0.60 |
| | | Leaching limitation | 0.45 | | | | |
| 5010: Pits----- | 100 | Not rated | | Not rated | | Not rated | |
| 5030: Pits----- | 100 | Not rated | | Not rated | | Not rated | |
| 5040: Orthents----- | 100 | Not rated | | Not rated | | Not rated | |
| INT: Intermittent Water-- | 100 | Not rated | | Not rated | | Not rated | |
| SL: Sewage Lagoon----- | 100 | Not rated | | Not rated | | Not rated | |
| W: Water----- | 100 | Not rated | | Not rated | | Not rated | |